WRITTEN ANSWERS TO UNSTARRED QUESTIONS

New Research Labs

†5401. SHRI RAJIV RANJAN SINGH 'LALAN':

SHRI KAPIL SIBAL:

Will the Minister of AGRICULTURE be pleased to state:

(a) whether new research labs have been set up in the country during the last three years in order to promote agricultural research;

(b) if so, the names of the places where such agricultural research labs have been set up during the said period;

(c) the total number of research labs where research work has been conducted by the end of March, 2002; and

(d) the total number and names of the new foodgrain items on which research work is being conducted in such research labs?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) Yes, Sir.

(b) The details are given in Statement-I (*See* below)

(c) The details are given in Statement-II (*See* below)

(d) The research is being conducted on new varieties and some hybrids of the following food grains:

Rice, wheat, maize, sorghum, pearl millet, small millet, pigeonpea, chickpea, mungbean, urdbean, lentil, rajmash, field pea, mothbean, cowpea, horsegram, rice bean, buck-wheat, grain amaranath, adzuki bean and chenopodium.

Statement-I

Names of places where agricultural research labs have been set up

Crop Science	
AICRP on	Imphal
Rapeseed Mustard	Kanke, Manipur
Groundnut	Imphal, Jorhat, Raipur, Nagpur
Soyabean	Akola

†Original notice of the question was received in Hindi.

Safflower	Mokama, Sirsa, Jagdalpur
Castor	Ludhiana, Dholi
Sunflower	Mokama
Chickpea	Umercot (Orissa)
Cotton	Uchani, Ambikapur, Varanasi
Maize	Kovipatti (TN), Indapur (MP),
Sorghum	Kanpur
Horticulture	
NRC Makhana	Darbhanga, Bihar
NRC Litchi	Muzzafarpur, Bihar
NRC Pomegrante	Rahuri, Maharashtra
NRC Spices	Bikaner, Rajasthan
Natural Resource Management	
CSSRI, Regional Station	Lucknow
ICAR Research Complex for Eastern Region	Patna
Animal Science	
Network on Heamorrhagic Septicemia	Uttar Pradesh
Network programme on Blue Tongue	Uttar Pradesh
Network programme on Gastro Intestinal Parasitism	Uttar Pradesh
NRC Pig	Guwahati, Assam
NRC Meat and Meat Products	Hyderabad.

Statement-II

List of Ongoing Institutes/NRCs/PDs and AIRCPs

I. Crop Science

A. PLANT GENETIC RESOURCES

1. National Bureau of Plant Genetic Resources
2. NCR-DNA Fingerprinting

B. FOOD CROPS

1. Indian Agricultural Research Institute
2. Central Rice Research Institute
3. Vivekanand Parvataiya Krishi Anusandhan Shala

4. Indian Institute of Pulses Research
5. AICRP—Chick Pea
6. AICRP—Pigeon Pea
7. AICRP—Pulses (MULLARP)
8. AICRP—Arid Legumes

9a. Project Directorate—Research
9b. AICRP—Wheat Research
10. N.R.C. Sorghum
11. AICRP—Sorghum

12a. Project Directorate—Rice Research
12b. AICRP—Rice Research
13a. Project Directorate—Maize Research
13b. AICRP—Maize Research
14. AICRP—Pearl Millets
15. AICRP—Small Millets
16. AICRP—Barely (merged with PD Wheat)

C. FORAGE CROPS

1. Indian Grassland & Fooder Research Institute
2. AICRP—Forage Crops

D. COMMERCIAL CROPS

1. Central Tobacco Research Institute
2. Indian Institute of Sugarcane Research
3. Central Institute of Cotton Research
4. Central Research Institute for Jute & Allied Fibres
5. Sugarcane Breeding Institute
6. AICRP—Cotton
7. AICRP—Jute
8. AICRP—Tobacoo
9. AICRP—Sugar Crops
10. Network scheme—Sugarbeet (Integrated with IISR)
11. AICRP—Under utilised & Under-exploited Plan

E. OILSEEDS

1. N.R.C.—Groundnut
2. N.R.C.—Soyabean
3. N.R.C.—Rapeseed & Mustard
4. Project Directorate—Oilseed Research

4a. AICRP—Linseed
4b. AICRP—Sesame and Niger
5. AICRP—Groundnut
6. AICRP—Rapeseed & Mustard
7. AICRP—Soyabean

F. PLANT PROTECTION
1. N.R.C.—Integrated Pest Management
2a. Project Directorate—Biological Control
2b. AICRP—Biological Control
3. AICRP—Honey Bees
4. Network—Soil Arthropods
5. Network—Agricultural Acarology
6. Network—Rodent Control
7. AICRP—Pesticide Residue
8. AICRP—Nematode
9. Network—Economic Ornithology
1. Project on Promotion of Research & Development on Hybrid Seed in Selected Crops.

G. BIOTECHNOLOGY FOR CROP IMPROVEMENT
1. N.R.C.—Biotechnology Centre for Crop Science

H. SEED TECHNOLOGY RES. & BREEDER SEED PROD.
1. National Seed Project

1. Directorate of Millets
2. National Bureau of Agril. Important Microbes & Insects

II. HORTICULTURE

A. FRUITS
1. Indian Institute of Horticultural Research
2. Central Institute for Subtropical Horticulture
3. N.R.C.—Citrus
4. N.R.C.—Grapes
5. AICRP—Tropical Fruits
6. AICRP—Sub-tropical Fruits
7. AICRP—Arid Fruits
8. Central Institute for Temperate Horticulture
9. Central Institute for Arid Horticulture

10. N.R.C.—Banana
11. AICRP—Apple Scab

B. VEGETABLES

1. N.R.C.—Mushroom
2a. Indian Institute of Vegetable Research
2b. AICRP—Vegetable Research
3. Vegetable Seed Project (National Seed Project)
4. AICRP—Mushroom
5. N.R.C.—Onion and Garlic

C. POTATO & TUBER CROPS

1. Central Potato Research Institute
2. Central Tuber Crops Research Institute
3. AICRP—Potato
4. AICRP—Tuber Crops

D. PLANTATION CROPS

1. Central Plantation Crops Research Institute
2. Central Agricultural Research Institute
3. N.R.C.—Cashew
4. N.R.C.—Oil Palm
5. AICRP—Palms
6. AICRP—Cashew

E. SPICES

1. Indian Institute of Spices Research
2. NRC—Seed Spices
3. AICRP—Spices

F. FLORICULTURE, MEDICINAL AND AROMATIC PLANTS

1. N.R.C.—Orchids
2. N.R.C.—Medicinal & Aromatic Plants
3. AICRP—Floriculture
4. AICRP—Medicinal and Aromatic Plants
5. AICRP—Betelvine

G. POST HARVEST MANAGEMENT

1. AICRP Post Harvest Techn. of Horticulture Crops
1. NRC for Makhana
2. NRC for Litchi

3. NRC for Pomegranate
4. Technology Mission on Hort. for NEH Region

III. NATURAL RESOURCE MANAGEMENT

A. SOIL INVENTORY & MANAGEMENT
1. National Bureau of Soil Survey and Land use Planning
2. Central Soil & Water Conservation Res. & Training Instt.
3. AICRP—Tilage Management of Indian Soils

B. NUTRIENT MANAGEMENT
1. Indian Institute of Soil Science
2. AICRP—Micro Secondary Nutrients
3. AICRP—Biological Nitrogen Fixation
4. AICRP—Micro Biological Decomposition
5. AICRP—Soil Test Crop Response
6. AICRP—Long term Fertilizer Experiments

C. WATER MANAGEMENT
1. Central Soil Salinity Research Institute
2. Water Technology Centre for Eastern Region
3a. Project Directorate—Water Management Research
3b. AICRP—Water Management Research
4. AICRP—Management of Salt Affected Soils & Use of Saline Water
5. AICRP—Optimisation of Groundwater Utilisation through Wells
6. AICRP on Management of Diaraland Improvement

D. CROPPING SYSTEM RESEARCH
1. Central Research Institute for Dryland Agriculture
2. Central Arid Zone Research Institute
3a. Project Directorate—Cropping System Research
3b. AICRP—Cropping System Research
4. N.R.C.—Weed Science
5. AICRP—Weed Control
6. AICRP—Agro meteorology
7. AICRP—Dryland Agriculture

E. AGRO-FORESTRY
1. N.R.C.—Agroforestry
2. AICRP—Agroforestry

3. ICAR—Research Complex for Goa
4. ICAR—Research Complex for NEH Region

F. NEW INITIATIVE

1. ICAR Research Complex for Eastern Region

IV. AGRIL. ENGINEERING

A. FARM IMPLEMENTS & MACHINERY

1. Central Institute of Agricultural Engineering
2. AICRP—Power Tiller
3. AICRP—Farm Implements Machinery
4. AICRP—Human Engineering and Safety Studies

B. POST HARVEST ENGG. TECH.

1. Central Institute for Post Harvest Engg. & Technology
2. Central Institute for Research on Cotton Technology
3. Indian Lac Research Institute
4. National Institute of Research on Jute & Allied Fibre Technology
5. AICRP—Application of Plastics in Agriculture
6. AICRP—Jaggery & Khandasari
7. AICRP—Harvest & Post Harvest Technology

C. ENERGY MANAGEMENT IN AGRI.

1. AICRP—Renewable Energy Sources
2. AICRP—Energy Requirement in Agricultural Sector
3. AICRP—Utilisation of Animal Energy

1. AICRP—Agricultural Drainage

Engineering Measures for Efficient on Farm Water Management

1. RNAM Phase VI

V. ANIMAL SCIENCE

A. ANIMAL GENETIC RESOURCES

1. National Bureau of Animal Genetic Resources
2. Network—Animal Genetic Resources

B. LIVESTOCK IMPROVEMENT

1. National Dairy Research Institute (including NRC Biotechnology in Animal Production)
2. Central Sheep and Wool Research Institute
3. Central Avian Research Institute

4. Central Institute for Research on Goats
5. Central Institute for Research on Buffaloes
6. National Institute of Animal Nutrition & Physiology
7. N.R.C. on Biotechnology (part of NDRI)
8. N.R.C.—Camel
9. N.R.C.—Yak
10. N.R.C.—Mithun
11. N.R.C.—Equine

12a. Project Directorate—Poultry Research
12b. AICRP—Poultry Research
13a. Project Directorate—Cattle Research
13b. AICRP—Cattle Research

14. AICRP—Sheep
15. AICRP—Goat
16. AICRP—Buffalo
17. NRC—Pig (merged wit AICRP Pig)
18. AICRP—Agricultural by-product
19. Network—Micronutrients
20. Network—Embryo Transfer
21. Network—Crop Based Animal Production System

C. LIVESTOCK PRODUCT TECHNOLOGY

1. N.R.C. Meat & Meat Product Technology
2. R&D Support for Process Upgradation of Indigenous milk Products for Industrial Application

D. ANIMAL HEALTH

1. Indian Veterinary Research Institute
2. PD. Disease Monitoring & Surveillance (AICRP upgraded)
3. AICRP—Blood Protesta
4. PD—Foot & Mouth Disease
5. N.R.C. Biotechnology (Part of IVRI)—Reflected in IVRI
6. High Security Animal Disease Laboratory

1. Network Project on Bluetongue (BT) Disease
2. Network on Haemorrahagic Spticaemia
3. AICRP on Gastrointestinal Parasitism

Network on Rumen Dinamics (not taken up)

1. Indo UK transfer of Molecular Biological Technologies

VI. FISHERIES

A. CAPTURE FISHERIES

1. Central Marine Fisheries Research Institute
2. Central Inland Capture Fisheries Research Institute

B. CULTURE FISHERIES

1. Central Institute for Freshwater Aquaculture
2. Central Institute of Brackishwater Aquaculture
3. N.R.C. Cold Water Fisheries
4. ORP on Processi. & Utili. of Organic Waste for Aquaculture

C. FISH & FISH PROCESSING TECHNOLOGY

1. Central Institute of Fisheries Technology

D. FISH GENETIC RESOURCES

1. National Bureau of Fish Genetic Resources

E. FISHERIES EDUCATION

1. Central Institute of Fisheries Education
1. Indo-French proposal Seabass Breeding & Culture

VII. AGRIL. ECONOMICS & STATISTICS

1. National Centre for Agril. Economics & Policy Research
2. Indian Agricultural Statistics Research Institute

EXTERNALLY AIDED PROJECT

1.Sustainable Rainfed Agril. in R & D

VIII. AGRIL, EXTENSION

1. Krishi Vigyan Kendras
2. NRC for Women in Agriculture
3. Directorate of Publication and Information in Agriculture

1. Institution Village Linkage Programme
2. Estt. of New Krishi Vigyan Kendras (66) & TTCs (2)

IX. AGRIL. EDUCATION

A. STRENGTHENING OF AGRI. EDUCATION

B. NATIONAL ACADEMY FOR AGRIL. RES. MANAGEMENT

1. Development & Strengthening of State Agril. University
2. Development & strengthening Central Universities
3. Strengthening PG Education in Deemed to be Universities
4. Estab. of Centres of Advance Studies in SAUs & DUs
5. AICRP on Home Science

C. CENTRAL AGRICULTURAL UNIV.

6. Best Teacher Award
7. Preparation of University Level Books
8. Emeritus scientist Scheme
9. Establishment of Agriculture University at Jammu
10. Support of Agricultural Colleges
11. Rural Awareness Work Experience Programme
12. One Time Catch Up Grant

X. MANAGEMENT AND INFORMATION SERVICES

1. Civil Works:
   a. National Agricultural Sciences Centre
   b. Krishi Anusandhan Bhavan-Phase-II
2. Publication and Information.
3. ICAR HEADQUARTERS:
   a. Modernisation of Officer Space & Facility
   b. ICAR Library
   c. Publicity and Public Relations
   d. Agricultural Scientists Recruitment Board (ASRB)
   e. Intellectual Property Rights (IPR)
   f. Strengthening of ICAR Hqrs.
4. Support to Professional Societies including NAAS
5. Department of Agricultural Research and Education

XI. WORLD BANK AND OTHER FOREIGN AIDED PROJECTS

1. National Agricultural Technology Project (NATP)
2. Agril. Human Resource Development (W.B.)
3. Indo-Dutch ORP on Drainage Water Mgt. (INDP)
4. National Agricultural Research Project (NARP-II)
5. Other EAPs